

### **ABSTRACT OF THE DISCLOSURE**

A fuel-fired, forced draft air heating furnace has a draft inducer fan disposed in a vestibule chamber having an exterior wall with an air intake opening therein. During operation of the draft inducer fan its motor is  
5 cooled by combustion air drawn inwardly through the air intake opening. To enhance the combustion air cooling of the draft inducer fan motor, a deflection plate is supported within the vestibule chamber in an inwardly spaced apart, facing relationship with the air intake opening. A portion of the combustion air flowing inwardly through the air intake opening  
10 impinges on and is redirected by the plate toward the motor via a substantially unenclosed flow path within the vestibule chamber.